



# Samsung Galaxy S6 Home Button Replacement

Replace the home button on a Samsung Galaxy S6.

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## INTRODUCTION

Follow this guide to replace the home button on a Samsung Galaxy S6.

This guide involves removing the rear glass. Removing the rear glass destroys the adhesive holding it in place. Follow [this guide](#) to reinstall the rear glass.



### TOOLS:

- [SIM Card Eject Tool](#) (1)
- [iFixit Opening Tools](#) (1)
- [iFixit Opening Picks set of 6](#) (1)
- [Heavy-Duty Suction Cups \(Pair\)](#) (1)
- [iOpener](#) (1)
- [Phillips #00 Screwdriver](#) (1)
- [Spudger](#) (1)
- [Tweezers](#) (1)



### PARTS:

- [Galaxy S6 Home Button and Cable Assembly](#) (1)

## Step 1 — SIM Card



- Insert a paper clip or SIM eject tool into the hole in the SIM card slot on the power button side of the phone.
  - Press to eject the SIM card tray.
- ⚠ Don't press too hard or you may damage the SIM card tray.

## Step 2



- Remove the SIM card tray from the phone.

## Step 3 — iOpener Heating



- ⓘ We recommend that you clean your microwave before proceeding, as any nasty gunk on the bottom may end up stuck to the iOpener.
- Place the iOpener in the center of the microwave.
  - ⚠ For carousel microwaves: Make sure the plate spins freely. If your iOpener gets stuck, it may overheat and burn.



## Step 4



- Heat the iOpener for **thirty seconds**.
- Throughout the repair procedure, as the iOpener cools, reheat it in the microwave for an additional thirty seconds at a time.

- ⚠ Be careful not to overheat the iOpener during the repair. Overheating may cause the iOpener to burst.
- ⚠ Never touch the iOpener if it appears swollen.
- ⚠ If the iOpener is still too hot in the middle to touch, continue using it while waiting for it to cool down some more before reheating. A properly heated iOpener should stay warm for up to 10 minutes.

## Step 5



- Remove the iOpener from the microwave, holding it by one of the two flat ends to avoid the hot center.
- ⚠ The iOpener will be very hot, so be careful when handling it. Use an oven mitt if necessary.

## Step 6 — Rear Glass



- ⓘ Place the phone facedown.
- ⓘ If your glass is shattered, put packing tape over the entire panel to hold it together during the removal process.
- Lay the iOpener over the panel for about 60 seconds to loosen the adhesive around the edge of the glass.
- Shift the iOpener to heat the remaining section of the panel for another 60 seconds.

## Step 7



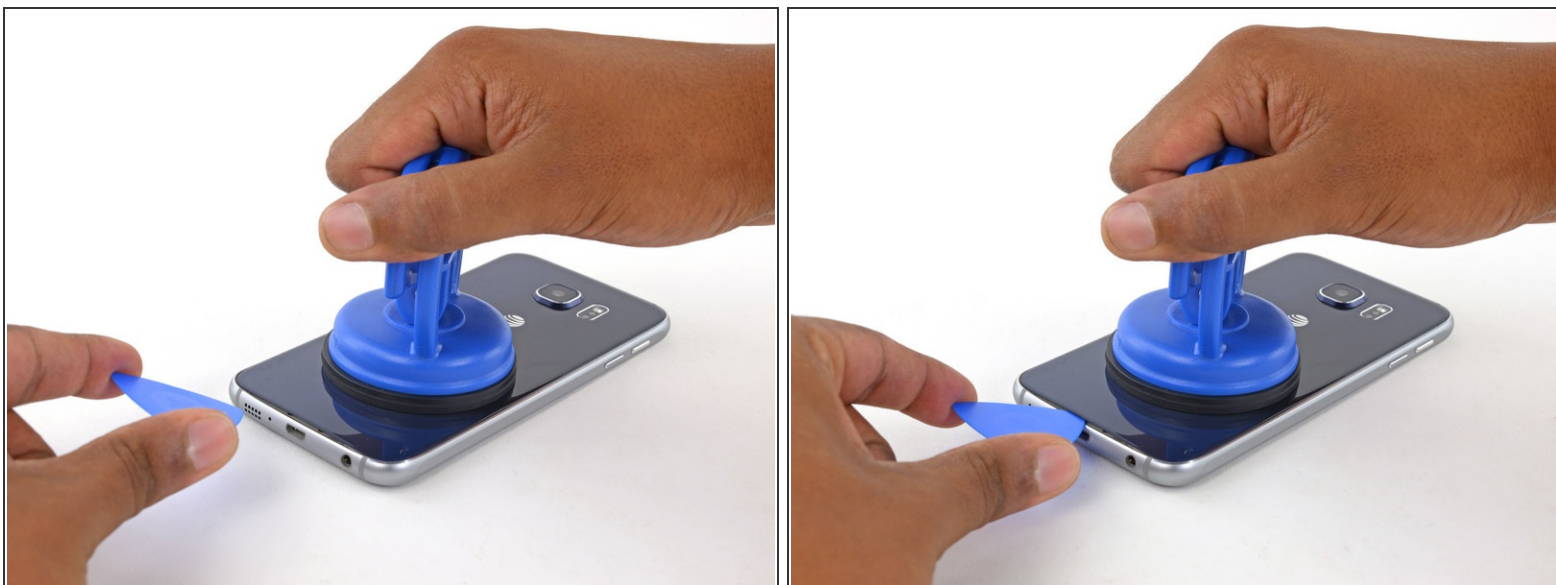
- Attach a heavy-duty suction cup to the lower half of the rear glass panel.
- Secure the suction cup by raising the hinged handle and flipping the latch to clamp both handles in place.

## Step 8



- ⓘ The following steps involve using an opening pick to separate the rear panel from the midframe. If the adhesive is too strong, reapply heat with the iOpener.
- Using the suction cup, apply pressure to the middle section of the panel while pulling up the lower edge by pivoting your wrist.

## Step 9



- Once you've opened a large enough gap, insert an opening pick between the rear glass and the midframe.

## Step 10



- Slide the opening pick around the bottom left corner of the rear glass panel.



## Step 11



- Slide the pick along the power button side of the phone.

## Step 12



- Slide the opening pick across the top of the phone.

## Step 13



- Slide the opening pick down along the volume buttons side of the phone.

## Step 14



- Pull up on the rear glass panel while holding down the midframe to separate the components.
- ❗ If you encounter too much resistance from the adhesive, slide the opening pick under the glass a few more times.

## Step 15



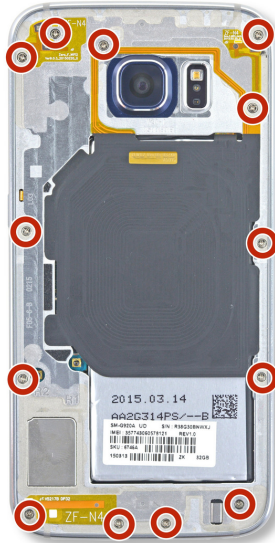
- Insert an opening pick between the rear panel and the midframe.
- Slide the pick along the top of the phone to loosen the remaining adhesive.
- Twist the pick to separate the two pieces.

## Step 16



- i** At this point, the rear glass panel should be fully separated from the body of the phone, although the adhesive strip may be attached to both sides.
- Pull the rear panel up and away to completely separate it.
- ★** Follow [this guide](#) to reinstall the rear glass.

## Step 17 — Midframe Assembly



- Remove the thirteen 3.5mm Phillips #00 screws securing the midframe to the phone.

## Step 18



- Firmly grasp the edge of the midframe assembly.
- Lift up on the midframe assembly while pushing down on the battery to separate the midframe assembly from the rest of the phone.

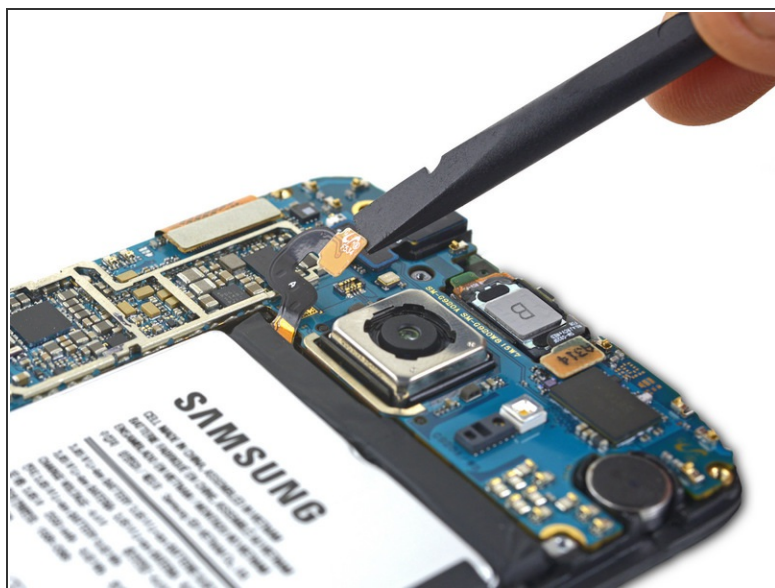
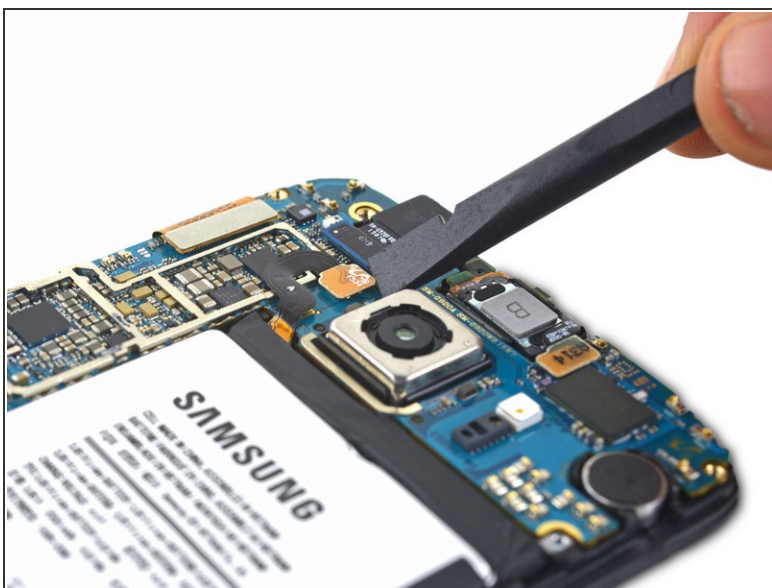


## Step 19



- Lift the midframe assembly up to separate it from the rest of the phone.

## Step 20 — Battery Connector



- Use the flat end of the spudger to disconnect the battery connector from its socket on the motherboard.



## Step 21 — Battery



- Insert a plastic opening pick between the case and the battery.

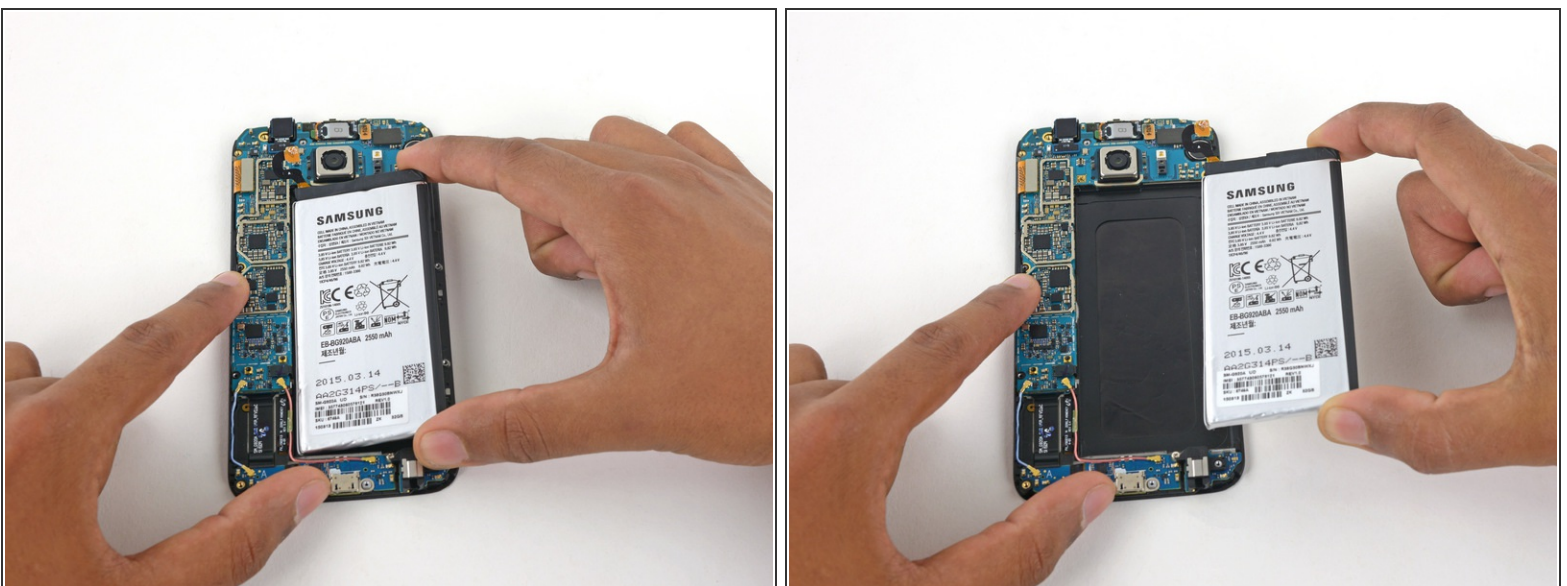
⚠ Be careful to keep the pick as flat as possible to avoid bending the battery, which may damage it and cause it to release dangerous chemicals.

- Push the pick further in to separate the battery from the phone.

ⓘ If the battery is too strongly adhered for the opening pick, place a warm iOpener over the battery to loosen the adhesive.

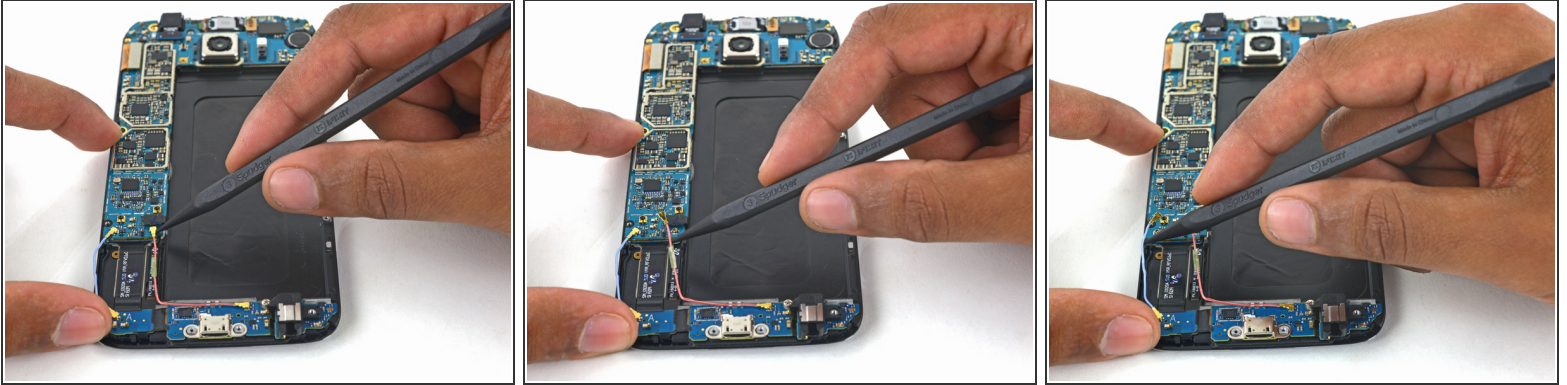
⚠ Do not pry against the motherboard or you may damage the phone.

## Step 22



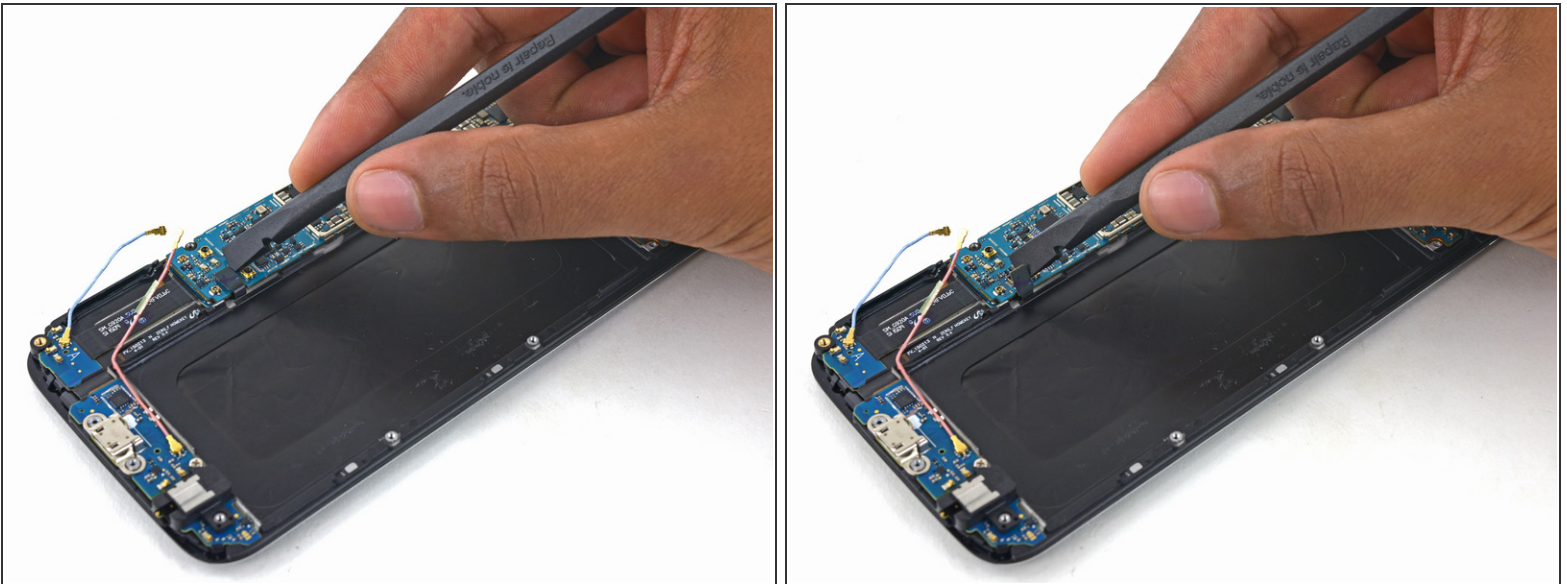
- Remove the battery from the phone.

## Step 23 — Motherboard Assembly



- Use the pointed edge of a spudger to disconnect the Bluetooth and Wi-Fi antenna cable connectors from their sockets on the motherboard.

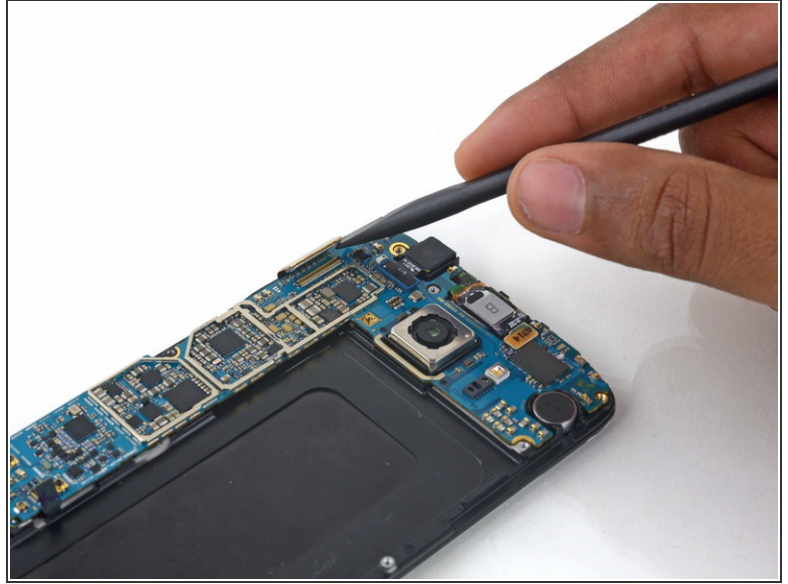
## Step 24



- Use the flat end of the spudger to disconnect the home button connector.

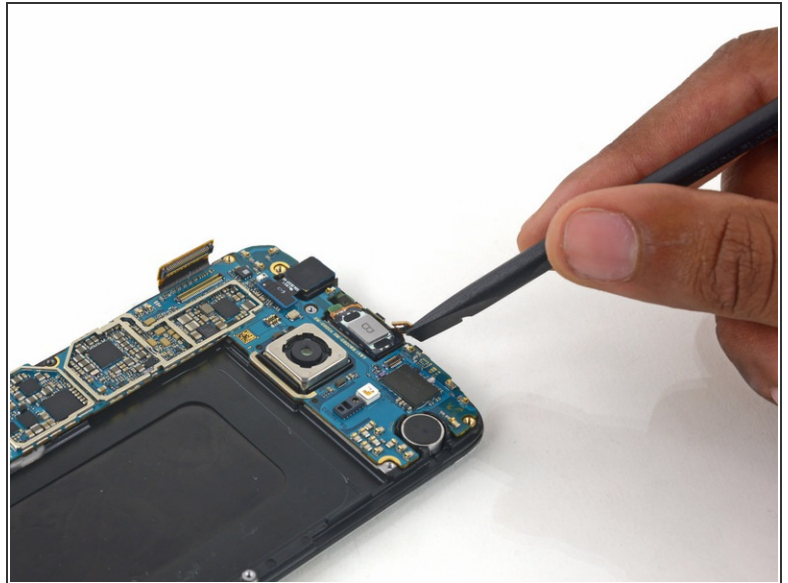
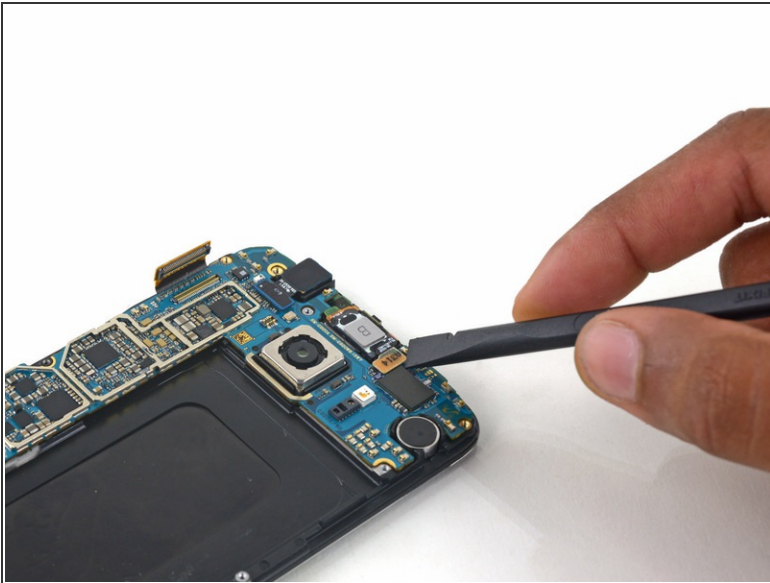


## Step 25



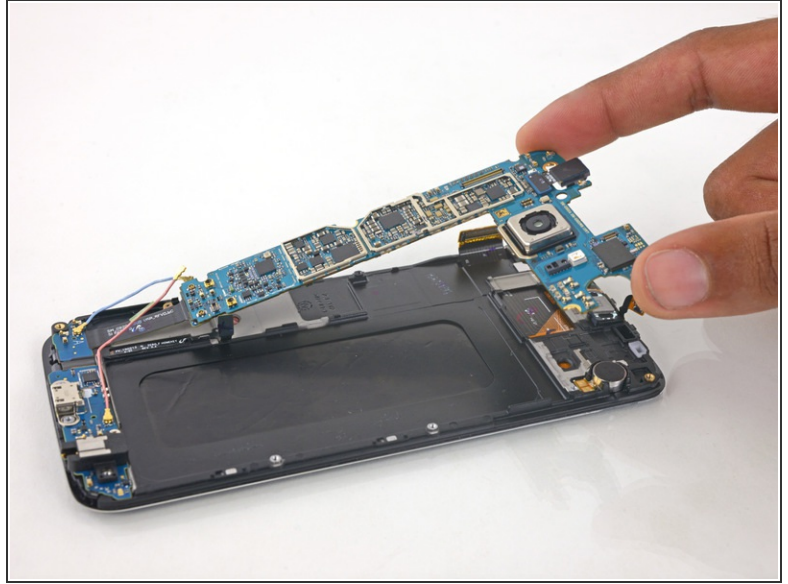
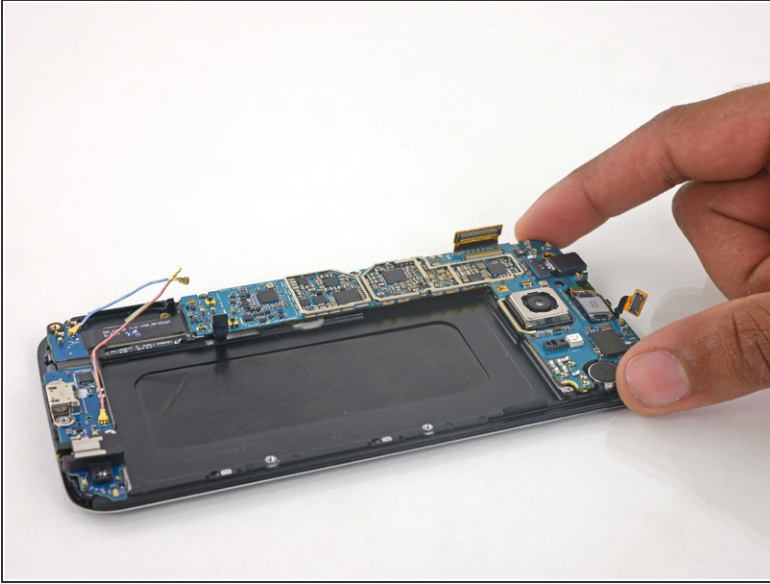
- Use the flat end of a spudger to disconnect the display assembly cable from the motherboard.

## Step 26



- Disconnect the earpiece speaker assembly cable connector from the motherboard.

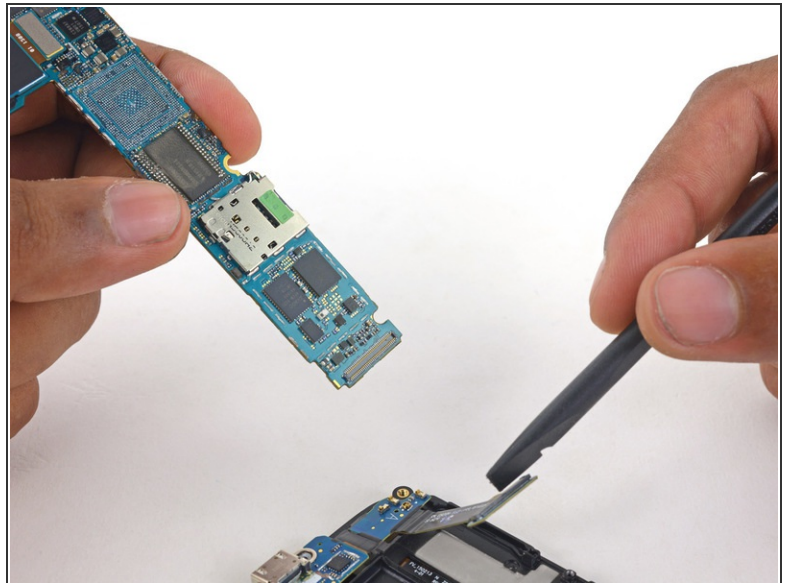
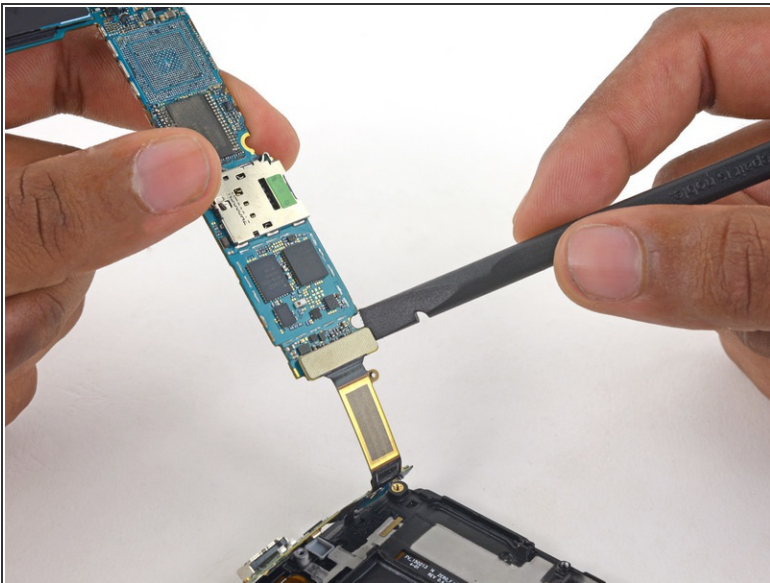
## Step 27



- Lift the camera-side end of the motherboard to separate it from the display frame.

⚠ Do **not** fully remove the motherboard yet—it is still attached to the daughterboard via a ribbon cable on the underside of the motherboard.

## Step 28



- Disconnect the daughterboard ribbon cable connector from its socket on the underside of the motherboard.

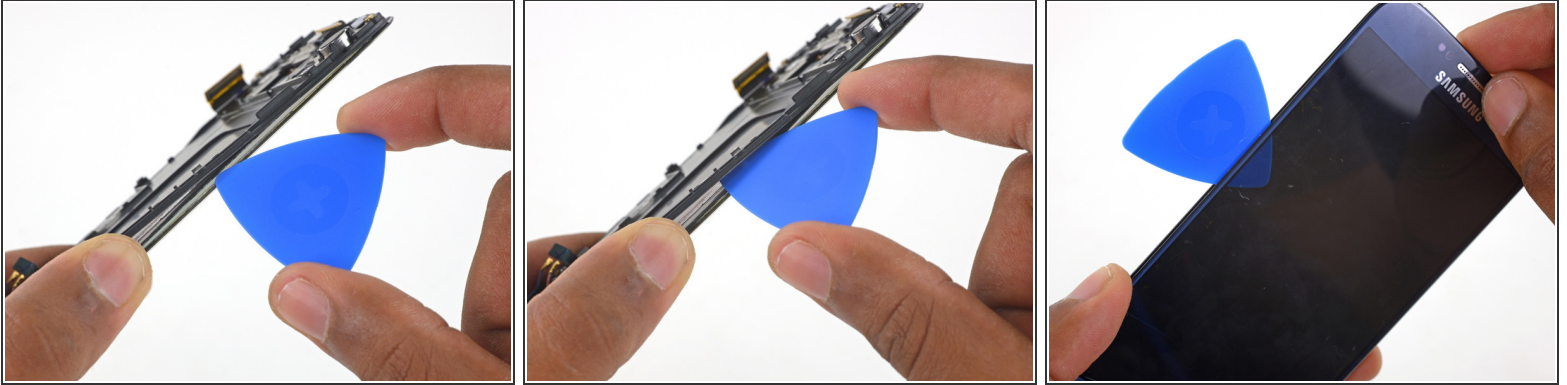
## Step 29 — Display Assembly



- Reheat the iOpener.
- Lay the iOpener across the S6 display. After 30 seconds, shift the iOpener to the other half of the screen.

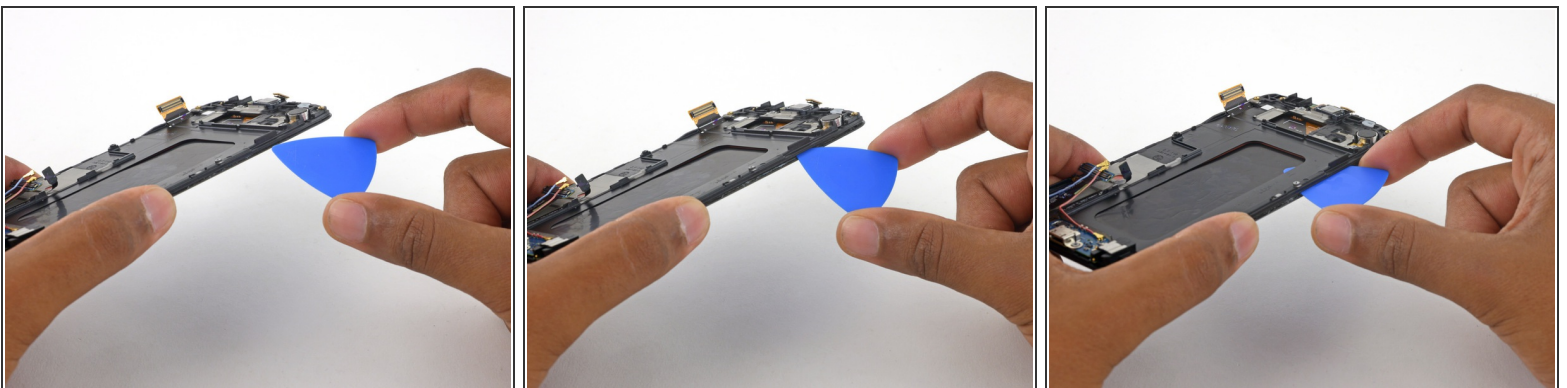


## Step 30



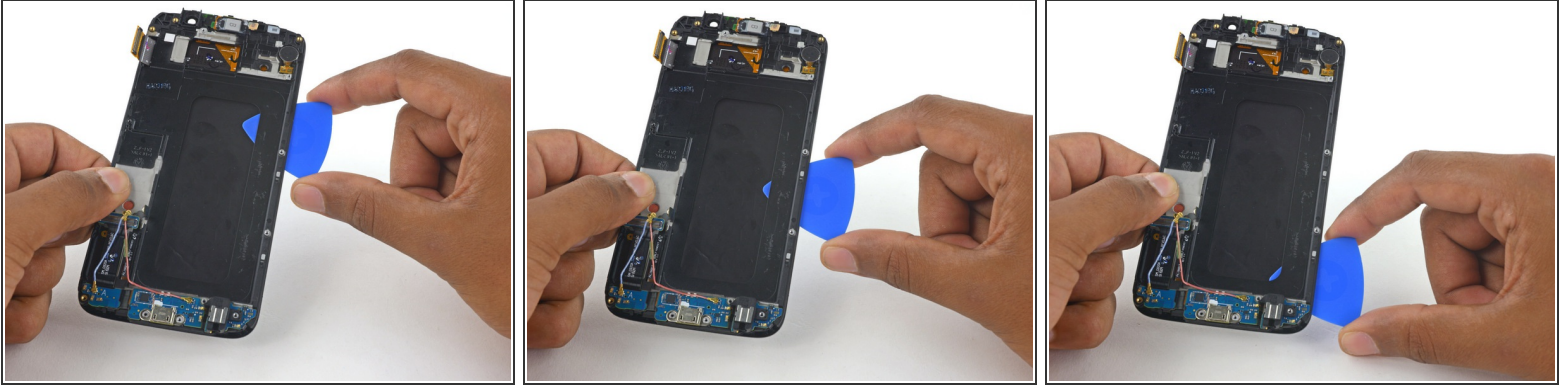
- Insert the opening pick at an upward angle.
- The plastic frame is glued to the display assembly. The following steps separate the plastic frame from the display assembly.
  - ⚠ It's very possible to accidentally destroy the LCD screen at this point. Be extremely careful separating these parts.
  - ⓘ When done correctly, you will see a gap between the display frame and the display assembly.
  - ⚠ When done incorrectly, the pick will be visible through the LCD. If this happens simply remove the pick and start again.

## Step 31



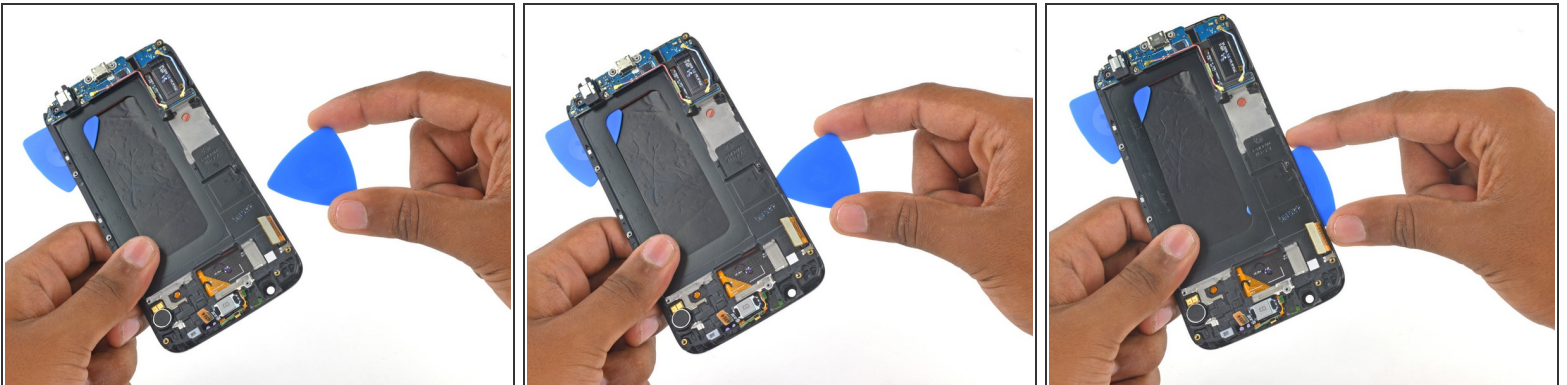
- ⓘ Flip the phone over so it's facedown.
- Insert an opening pick on the right side of the phone between the display assembly and plastic display frame.

## Step 32



- Slide the pick downwards to separate the display frame from the display assembly.

## Step 33



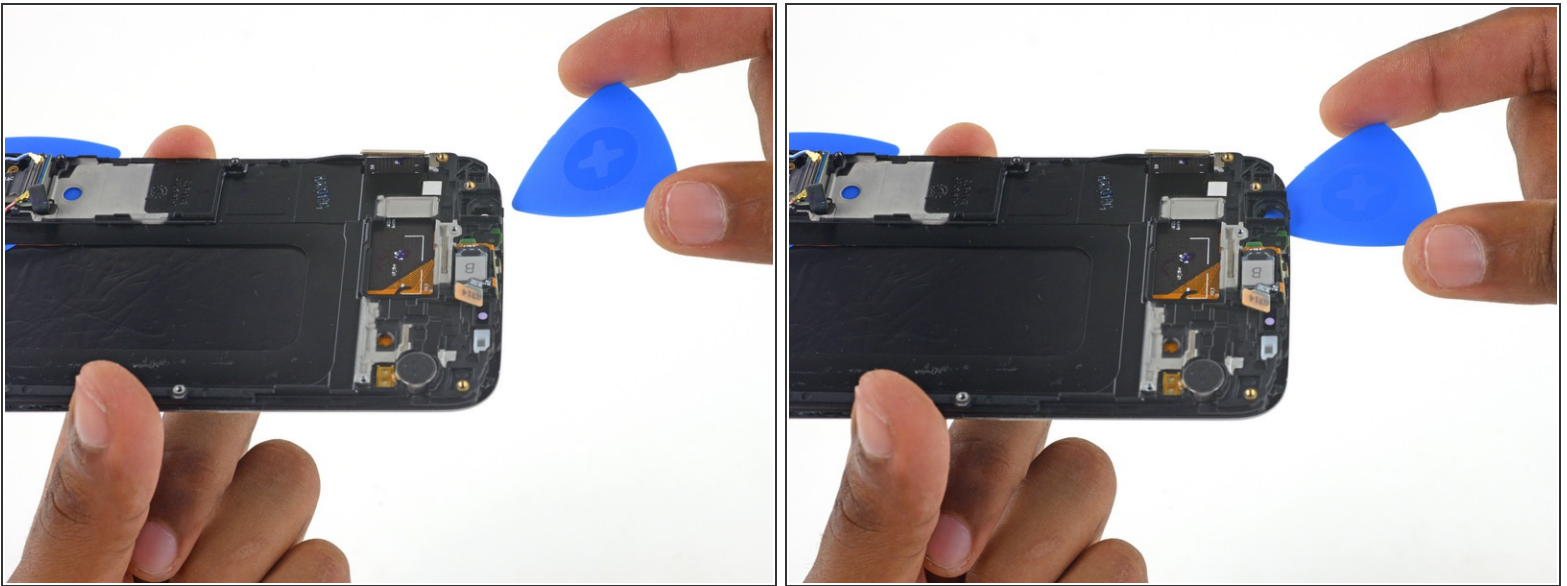
- Leave the first opening pick next to the headphone jack.
- Insert a second opening pick between the frame and display assembly on the display cable side of the phone.

## Step 34



- Slide the second pick towards the daughterboard.

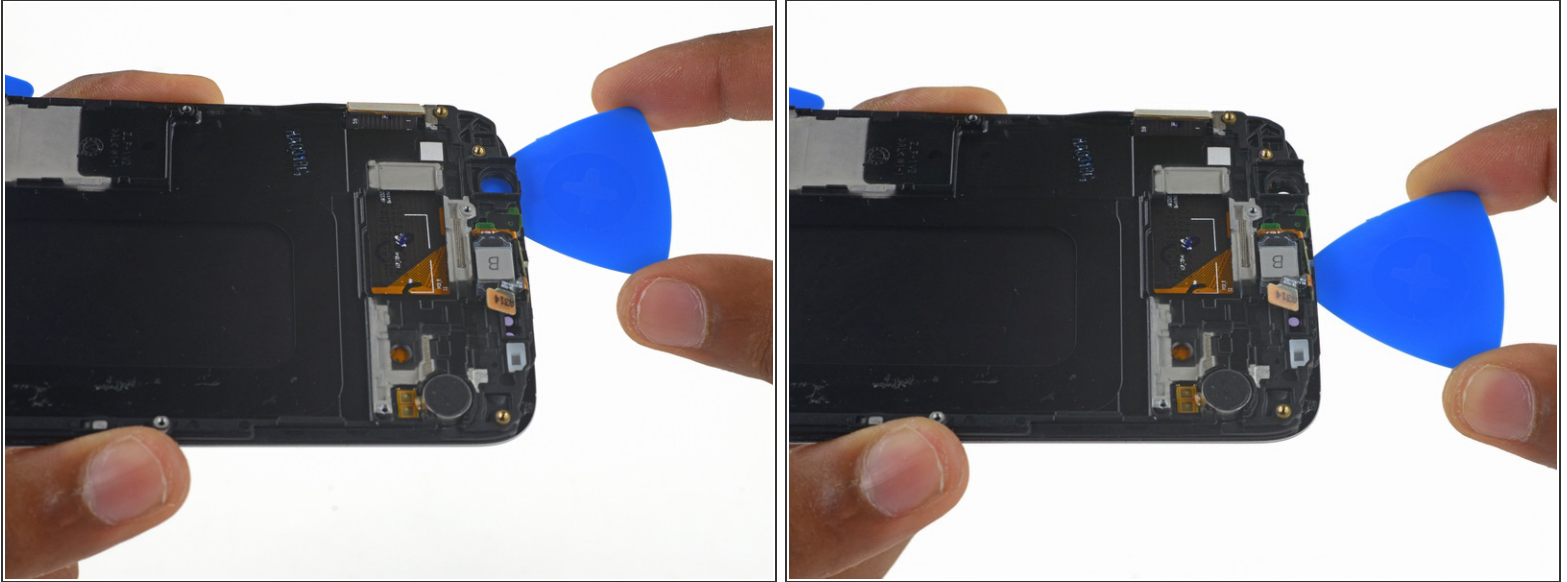
## Step 35



- Insert another pick between the display frame and digitizer from the top side of the phone.

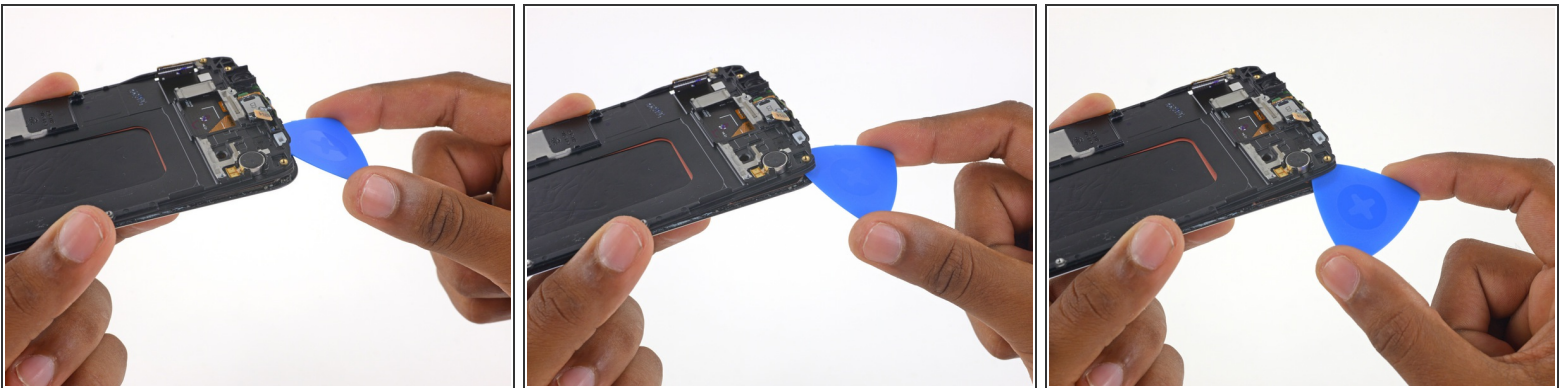


## Step 36



- Slide the pick along the top of the phone towards the vibrator.
- ⚠ Pull the pick out slightly to avoid the earpiece speaker grille.

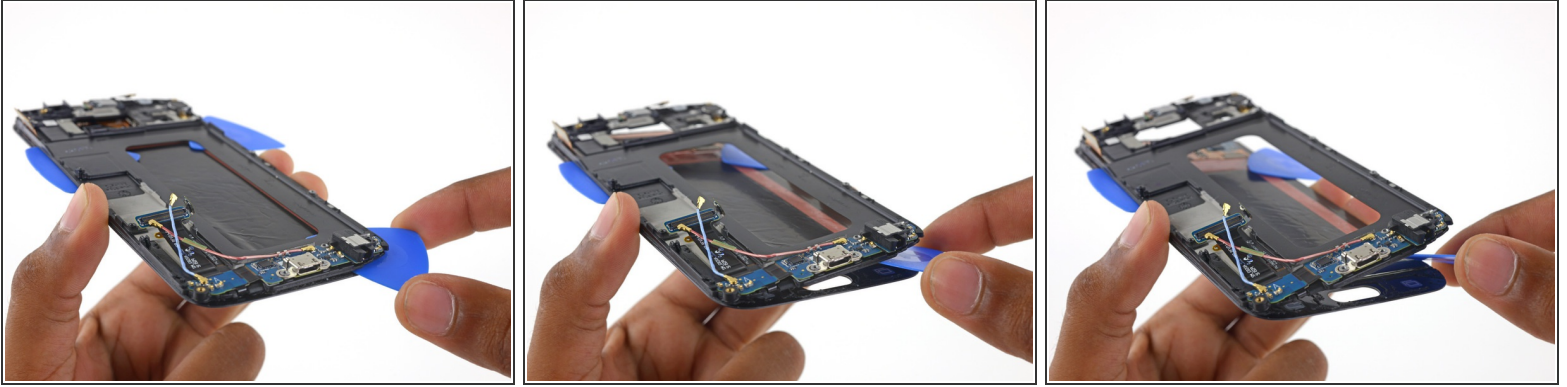
## Step 37



- Slide the opening pick around the top right corner of the phone.

⚠ Use just the tip of the pick for this step, as the touchscreen controller IC is below the display frame in the top right corner.

## Step 38



- Grasp the opening pick next to the headphone jack and slide it to the bottom right corner of the display frame.
- Twist the opening pick to separate the plastic frame from the display assembly.

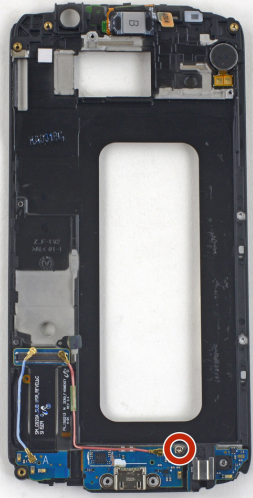
## Step 39



- Continue to lift the plastic frame from the right side, using the display connector as a hinge.
- Once you've lifted the frame past 90 degrees, thread the digitizer cable through its hole in the display frame and separate the frame from the display assembly.



## Step 40 — Daughterboard



- Remove the single 3.0mm Phillips #00 screw securing the daughterboard to the display frame.

## Step 41



**i** Flip the display frame over so the home button is facing you.

- Insert the pointed edge of the spudger into the groove next to the right soft button LED cable.
- Gently lift the LED cable off the display frame.

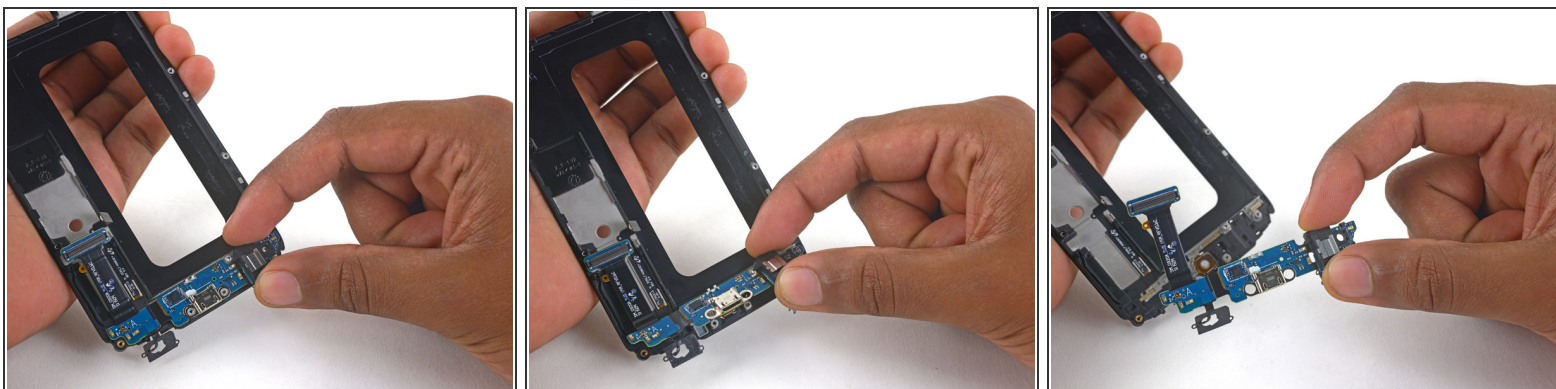
**!** Be careful to not rip these delicate cables when peeling them off the plastic frame.

## Step 42



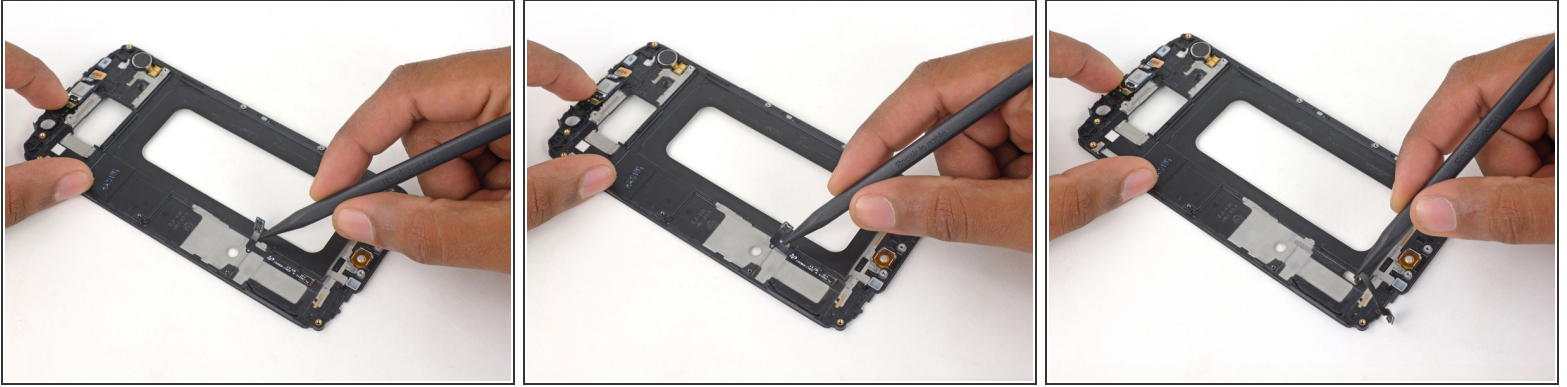
- Insert the pointed edge of the spudger into the groove above the left soft button LED cable.
- Lift the left soft button LED cable off the plastic frame.

## Step 43



- ⓘ Flip the frame over again and lift up the daughterboard to peel it off the display frame.

## Step 44 — Home Button

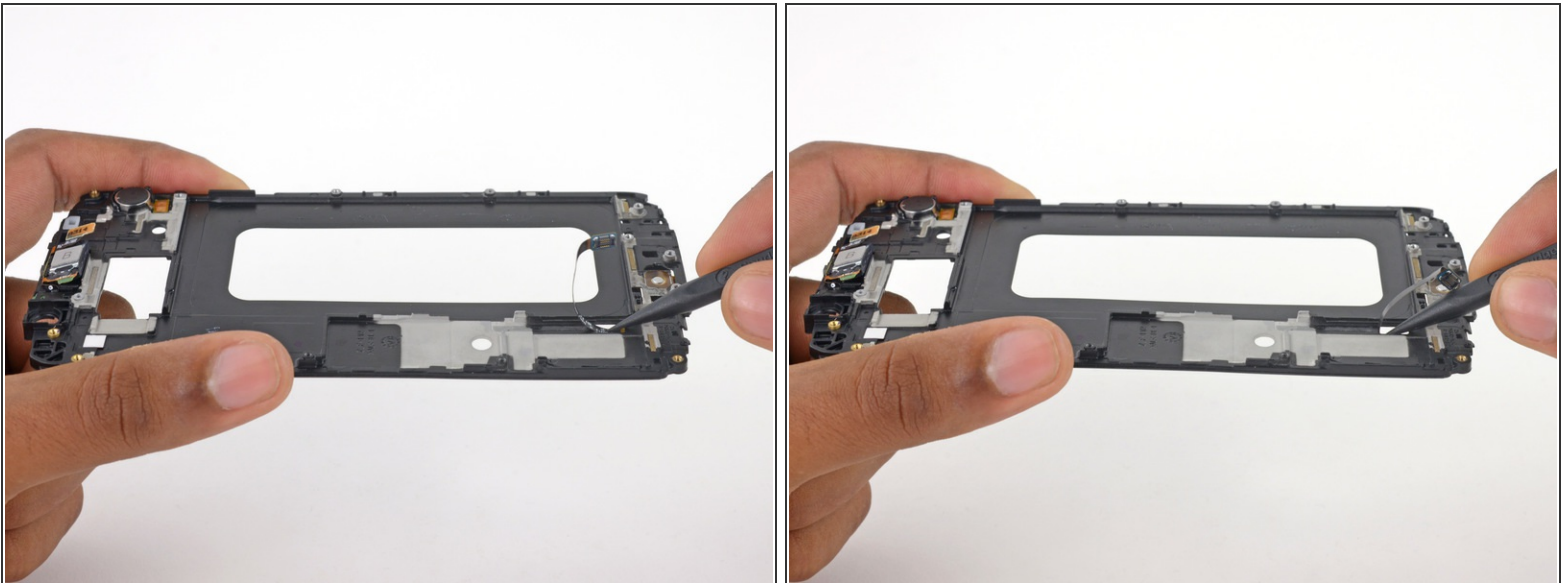


**i** Orient the display frame so the home button connector faces you.

- Use the pointed edge of the spudger to separate the home button ribbon cable from the display frame.

**⚠** Be careful when removing the home button ribbon cable. It is delicate and can tear easily.

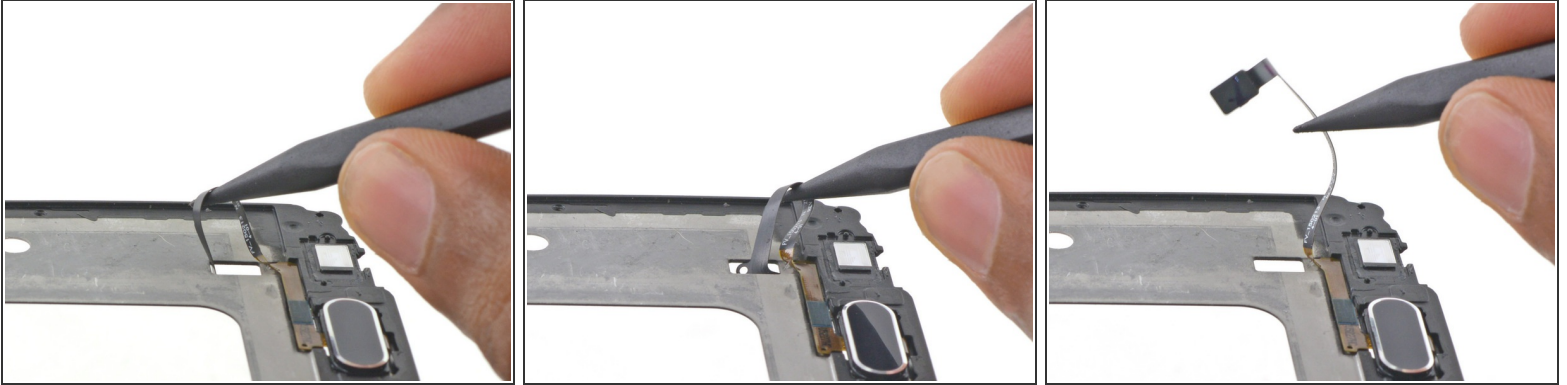
## Step 45



- Use the pointed end of a spudger to push the home button cable through the display frame.



## Step 46



- Flip the display frame over and use the pointed end of a spudger to pull the home button cable completely through the hole.

## Step 47



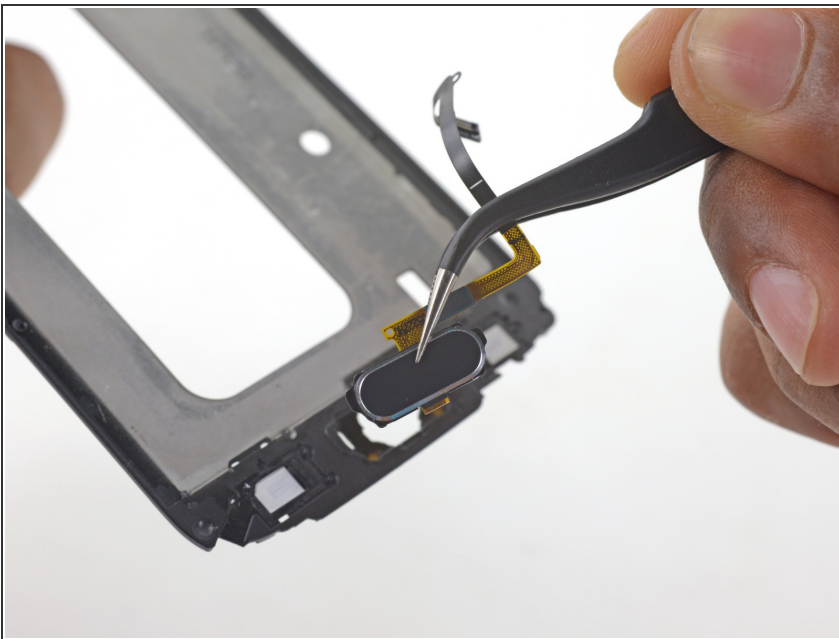
- Slide the spudger under the cable to continue separating it from the frame.

## Step 48



- i** The button is held in place by a tab on each side. To remove the button, it needs to move far enough over to clear the edge of the bracket.
- Once the cable is entirely separated from the frame, use a spudger to push the home button to the far left of its bracket.
  - Use a spudger to push the home button up and out of its bracket.

## Step 49



- Remove the home button.

To reassemble your device, follow these instructions in reverse order. When reinstalling the rear glass, refer to the [rear glass adhesive replacement guide](#).

